PATENT NO. : 7,193,187 B2   Page 1 of 2
APPLICATION NO. : 10/775473
DATED : March 20, 2007
INVENTOR(S) : Ing-Shin Chen et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, Item (54), Inventors, add -- Richard Kramer, Sharon, MA (US) --.

Column 3, line 20: "α_p" should be -- α_ρ --.

Column 4, line 18: "α_p" should be -- α_ρ --.

Column 6, line 11: "α_p" should be -- α_ρ --.

Column 6, line 59: "α_p" should be -- α_ρ --.

Column 8, line 14: " $R = R_0 \cdot \lfloor 1 + \alpha_p (T - T_0) \rfloor$ " should be

-- $R = R_0 \cdot \lfloor 1 + \alpha_\rho (T - T_{0)} \rfloor$ --.

Column 8, line 17: "α_p" should be -- α_ρ --.

Column 9, line 8:
"$T_c = T_a + \eta W = T_a + \eta \cdot I \, {}^2_c R_c = T_a + \eta \cdot I \, {}^2_c R_0 \cdot [1 + \alpha_p (T_c - T_0)]$ " should

be -- $T_c = T_a + \eta W = T_a + \eta \cdot I \, {}^2_c R_c = T_a + \eta \cdot I \, {}^2_c R_0 \cdot [1 + \alpha_\rho (T_c - T_0)]$ --.

Column 9, line 22: "$\varepsilon = \alpha_p \eta I^2 R_0$" should be -- $\varepsilon = \alpha_\rho \eta I^2 R_0$ --.

Column 9, line 64: " $R \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W) - T_0]\}$ "should be

-- $R \approx R_0 \cdot \{1 + \alpha_\rho [(T_a + \eta \cdot W) - T_0]\}$ --.

Column 10, lines 11-12:

" $R_s = R_0 \cdot \{1 + \alpha_p \lfloor (T_{a,s} + \eta_s \cdot W_s) - T_0 \rfloor\} \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W_s) - T_o]\}$ "

should be

-- $R_s = R_0 \cdot \{1 + \alpha_\rho \lfloor (T_{a,s} + \eta_s \cdot W_s) - T_0 \rfloor\} \approx R_0 \cdot \{1 + \alpha_\rho [(T_a + \eta \cdot W_s) - T_0]\}$ --.

Column 10, line 32: "α_p" should be -- α_ρ --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11, line 23: " $R_s \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W_s) - T_0]\} = R_a + \alpha_p \eta \cdot R_0 \cdot W_s$ "

should be

-- $R_s \approx R_0 \cdot \{1 + \alpha_\rho [(T_a + \eta \cdot W_s) - T_0]\} = R_a + \alpha_\rho \eta \cdot R_0 \cdot W_s$ --.

Column 12, line 51: "can be ed as" should be -- can be determined as --.

Column 13, line 26: "$I^1(R_s\text{-}R)$ «ΔW" should be -- $I^2(R_s\text{-}R)$«ΔW --.

Column 18, lines 3-4 (claim 14): " $\Delta W = 2 \cdot \dfrac{m}{\alpha_\rho \times t \times R_0} \cdot [R_s - R]$ " should be

-- $\Delta W = \dfrac{m}{\alpha_\rho \times t \times R_0} \cdot [R_s + R(0) - 2R]$ --.

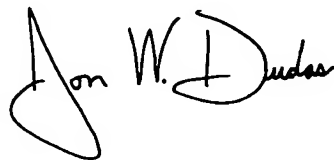Column 18, line 65 (claim 18): "α_p" should be -- α_ρ --.

Column 19, line 55 (claim 20): "α_p" should be -- α_ρ --.

Column 20, line 22 (claim 21): "α_p" should be -- α_ρ --.

Column 20, line 65 (claim 22): "α_p" should be -- α_ρ --.

Signed and Sealed this

Fifteenth Day of January, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office